

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-8. (Cancelled).

9. (Currently Amended) A communication system comprising:

an access router that communicates with a communication terminal apparatus and transmits a first care-of address and a second care-of address to the communication terminal apparatus;

a first mobility anchor point that issues the first care-of address and the second care-of address, and transmits the issued first care-of address and the issued second care-of address through a network ~~a mobility anchor point that issues the two care-of addresses of the first care-of address and the second care-of address, which can be used in a predetermined number of cells and which cannot be used in cells other than in the predetermined number of cells, to the communication terminal apparatus that communicates with access routers in cells adjacent across the boundary of a first mobility anchor point and a second mobility anchor point, the predetermined number of cells being less than a sum of a number of cells of the first mobility anchor point and a number of cells of the second mobility anchor point and including two cells adjacent across the boundary;~~

a network that connects the mobility anchor point and the access router, and transmits the first care-of address and the second care-of address issued by the mobility anchor point; and

a second mobility anchor point that is adjacent to the first mobility anchor point across a boundary with the first mobility anchor point; and

a home agent that;

registers, in association with one another, a home address of the communication terminal apparatus, the first care-of address and the second care-of address, the first care-of address and the second care-of address having been transmitted through the network; and to which the first care-of address and the second care-of address are issued by the mobility anchor point, and the first care-of address and the second care-of address which are transmitted through the network, in association with each other, and

transmits data, transmitted to the home address of the communication terminal apparatus, to a destination indicated by at least one of the first care-of address and the second care-of address, wherein;

the first care-of address can be used in cells of the first mobility anchor point and cannot be used in cells of the second mobility anchor point;

the second care-of address can be used in predetermined cells and cannot be used in cells other than the predetermined cells; and

the predetermined cells (i) include both of a first cell, which is part of the cells of the first mobility anchor point, and a second cell, which is part of the cells of the second mobility anchor point, the second cell of the second mobility anchor point being adjacent to the first cell of the first mobility anchor point across the boundary with the first mobility anchor point, and (ii) do not include at least one of (a) a cell of the first mobility anchor point and (b) a cell of the second mobility anchor point.

10. (Currently Amended) The communication system according to claim 9, wherein the first mobility anchor point changes how many cells are to be included in ~~makes variable a-~~ number of the predetermined ~~number of cells in which the second care-of address can be used.~~

11. (Currently Amended) The communication system according to claim 10, wherein the first mobility anchor point detects a ~~the~~ moving speed of the communication terminal apparatus, and, in a case of when communicating with the communication terminal apparatus moving at high speed, sets ~~makes the number of~~ the predetermined ~~number of~~ cells to include more cells ~~larger~~ than in a case of communicating with the communication terminal apparatus moving at low speed.

12. (Currently Amended) A communication method in a communication system comprising an access router; a first mobility anchor point; a second mobility anchor point that is adjacent to the first mobility anchor point across a boundary with the first mobility anchor point; and a home agent, the communication method comprising:

at an access router:

at the access router, communicating with a communication terminal apparatus and transmitting a first care-of address and a second care-of address to the communication terminal apparatus;

at a mobility anchor point:

at the first mobility anchor point, issuing the first care-of address and the second care-of address, and transmitting the issued first care-of address and the issued second care-of address through a network issuing the two care-of addresses of the first care-of address and the second care-of address, which can be used in a predetermined number of cells and which cannot be used in cells other than in the predetermined number of cells, to the communication terminal apparatus that communicates with access routers in cells adjacent across the boundary of a first mobility anchor point and a second mobility anchor point, the predetermined number of cells being less than a sum of a number of cells of the first mobility anchor point and a number of cells of the second mobility anchor point and including two cells adjacent across the boundary;

at a network;

connecting the mobility anchor point and the access router, and transmitting the first care-of address and the second care-of address issued by the mobility anchor point; and

at a home agent;

at the home agent;

registering, in association with one another, a home address of the communication terminal apparatus, the first care-of address and the second care-of address, the first care-of address and the second care-of address having been transmitted through the network; and to which the first care-of address and the second care-of address are issued by the mobility anchor point, and the first care-of address and the second care-of address which are transmitted through the network, in association with each other, and

transmitting data, transmitted to the home address of the communication terminal apparatus, to a destination indicated by at least one of the first care-of address and the second care-of address, wherein:

the first care-of address can be used in cells of the first mobility anchor point and cannot be used in cells of the second mobility anchor point;

the second care-of address can be used in predetermined cells and cannot be used in cells other than the predetermined cells; and

the predetermined cells (i) include both of a first cell, which is part of the cells of the first mobility anchor point, and a second cell, which is part of the cells of the second mobility anchor point, the second cell of the second mobility anchor point being adjacent to the first cell of the first mobility anchor point across the boundary with the first mobility anchor point, and (ii) do not include at least one of (a) a cell of the first mobility anchor point and (b) a cell of the second mobility anchor point.

13. (Currently Amended) The communication method according to claim 12, wherein the first mobility anchor point changes how many cells are to be included in a number of the predetermined number of cells in which the second care-of address can be used, is made variable.

14. (Currently Amended) The communication method according to claim 13, wherein the first mobility anchor point detects a the moving speed of the communication terminal apparatus is detected, and, in a case of when communicating with the communication terminal apparatus moving at high speed, sets the number of the predetermined number of cells to include

~~more cells~~ is made larger than in a case of communicating with the communication terminal apparatus moving at low speed.

15. (Currently Amended) The communication system according to claim 9, wherein the predetermined ~~cells consist of the first cell of the first mobility anchor point and the second cell of the second mobility anchor point~~ number of cells comprise only the two cells adjacent across the boundary.

16. (Cancelled).

17. (Currently Amended) The communication system according to claim 9, wherein the ~~first~~ mobility anchor point that issues the first care-of address and the second care-of address ~~which are used by the home agent to transmit the data to the mobility anchor point~~, further issues a third care-of address for identifying the communication terminal apparatus in a network of ~~the~~ an access router communicating with the ~~first~~ mobility anchor point, and registers the third care-of address in the ~~home agent~~ mobility anchor point.

18. (Currently Amended) The communication system according to claim 9, wherein, when the communication terminal apparatus ~~moves from a cell of the second mobility anchor point to a cell of the first mobility anchor point through one or more of the predetermined cells~~ performs communication using the second care-of address in the predetermined number of cells, the ~~first~~ mobility anchor point registers the first care-of address in the home agent ~~while the~~

communication terminal apparatus performs communication using the second care-of address in the one or more of the predetermined cells.

19. (Currently Amended) The communication method according to claim 12, wherein the predetermined cells consist of the first cell of the first mobility anchor point and the second cell of the second mobility anchor point ~~number of cells comprise only the two cells adjacent across the boundary.~~

20. (Cancelled).

21. (Currently Amended) The communication method according to claim 12, wherein the first mobility anchor point that issues the first care-of address and the second care-of address which are used by the home agent to transmit the data to the mobility anchor point, further issues a third care-of address for identifying the communication terminal apparatus in a network of the ~~an~~ access router communicating with the first mobility anchor point, and registers the third care-of address in the home agent ~~mobility anchor point~~.

22. (Currently Amended) The communication method according to claim 12, wherein, when the communication terminal apparatus moves from a cell of the second mobility anchor point to a cell of the first mobility anchor point through one or more of the predetermined cells performs communication using the second care-of address in the predetermined number of cells, the first mobility anchor point registers the first care-of address in the home agent while the

communication terminal apparatus performs communication using the second care-of address in the one or more predetermined cells.